

ABSTRACT OF THE DISCLOSURE

A catalytic converter including a carrier, a hydrocarbon (HC) trap layer disposed on the carrier and at least two catalyst layers comprising an inner
5 layer disposed on the HC trap layer and an outer layer disposed on the inner layer. The inner and outer layers include catalyst noble metals, respectively. The catalyst noble metal present in the outer layer is controlled to be active earlier
10 than the catalyst noble metal present in the inner layer during the engine warm-up operation.